



## GE Structured Products

# LEXGARD® Laminates with MARGARD® Surface

## Product Warranty

### LIMITED WARRANTY

LEXGARD® laminates are glazing lites of multi-ply construction which meet specifically outlined performance standards for ballistic, physical attack, and burglar-resistant applications. No material can be described as unpenetrable, for it is impossible to account for all types of abuse. However, if a LEXGARD laminate (i) incurs structural delamination, (ii) incurs coating failure, (iii) exhibits excessive increased haze, or (iv) exhibits excessive yellowing or loss of light transmission, in each case within ten (10) years from date of sale due to manufacturing defect and subject to the definitions and conditions set forth herein, then the purchaser will receive a free replacement sheet, provided the failed sheet, original sales receipt and this warranty are returned to the original dealer. If a replacement cannot be provided within fourteen (14) days, General Electric Company may opt to refund the original sheet purchase price.

### CONDITIONS

The warranty against structural delamination and coating failure applies only when the material is used as flat vertical glazing installed in a sash according to the recommendations of General Electric Company. This warranty does not apply to laminates that have been ballistically damaged, physically attacked or improperly cut, fabricated or maintained using techniques or materials not recommended by GE. This warranty does not cover (re)installation expenses or any other direct or indirect loss(es) which may result from any such structural delamination or coating failure.

**Structural Delamination:** The warranty against structural delamination means the partial or total separation of the plastic sheeting from the interlayer laminating material. Criteria: Unlaminated or delaminated areas are considered a failure if they exceed 1.0 inches from the edge of the sheet.

**Coating Failure:** The warranty against coating failure applies when material evaluated shows "visible delamination" of the abrasion-resistant surface treatment. Criteria: "Visible delamination" means flaking of the surface treatment or loss of adhesion between the surface (beyond 1" from edge of sheet) treatment and the substrate sheet, either of which is visibly detectable without the aid of instruments.

**Abrasion Resistance:** The sheet will not exhibit an increase in haze of more than 15%. Criteria: The sample as manufactured shall be abraded according to Test No. 17 of ANSI Z26.1 (Taber Abrader) for 100 cycles with a 500 gram load.

**Yellowing and Light Transmission:** The warranty against loss of light transmission applies only to Clear Transparent (112) LEXGARD sheet with the MARGARD® surface treatment. The Yellowness Index (YI) of LEXGARD sheet (CLEAR ONLY) cleaned according to the recommendations of General Electric Company shall be less than 5.0 during a five-year period from the date of sale, and shall be less than 10 during a ten-year period from the date of sale as determined according to ASTM D1925 (1977) modified by General Electric Company as measured with a Gardner Colorimeter. The light transmission characteristics of LEXGARD sheet, cleaned according to the recommendations of General Electric Company, shall not decrease (from its initial manufactured value) by more than 5% during a five-year period from the date of sale nor by more than 7% during a ten-year period from the date of sale when tested by the procedure specified in ASTM D1003 modified by General Electric Company. This warranty is limited to excessive yellowing and light transmission losses due to the degradation of LEXGARD laminate and does not cover yellowing or light transmission losses due to dirt, atmospheric deposits, abrasion, or changes in the physical structure of the LEXGARD sheet. You should be aware that all glazing materials are subject to irreversible depositions of atmospheric elements and can be expected to show signs of hazing eventually. Regular proper cleaning will significantly reduce, but not eliminate, that process (see reverse side for cleaning and maintenance instructions). **This warranty does not cover hazing caused by physical abuse including failure to clean according to the instructions on the reverse side.**

THE WARRANTIES STATED IN THIS PUBLICATION ARE THE ONLY WARRANTIES MADE BY GENERAL ELECTRIC COMPANY WITH RESPECT TO LEXGARD SHEET AND ARE IN LIEU OF ALL WARRANTIES, WRITTEN OR ORAL, STATUTORY, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE.

GENERAL ELECTRIC COMPANY SHALL NOT BE LIABLE FOR ANY SPECIAL, CONSEQUENTIAL OR INCIDENTAL DAMAGES ARISING OUT OF THE USE OR APPLICATION OF LEXGARD LAMINATE WHETHER A CLAIM FOR DAMAGES IS BASED UPON WARRANTY, CONTRACT, TORT OR ANY OTHER LEGAL THEORY. UNDER NO CIRCUMSTANCE SHALL GENERAL ELECTRIC COMPANY BE LIABLE FOR ANY AMOUNT GREATER THAN THE ORIGINAL PRICE PURCHASER PAID FOR THE LEXGARD LAMINATE.

THE REMEDIES PROVIDED HEREIN ARE PURCHASER'S SOLE AND EXCLUSIVE REMEDIES.

This sheet is recommended for flat applications only.

**Notice:** This dealer is authorized to fulfill the above obligations of this warranty to the purchaser at the expense of: General Electric Company, Structured Products, One Plastics Avenue, Pittsfield, Massachusetts 01201 (1-800-451-3147).

This limited warranty must be completed by the dealer at the time of sale.

Customer Name: \_\_\_\_\_

Dealer Name: \_\_\_\_\_

Date of Sale: \_\_\_\_\_

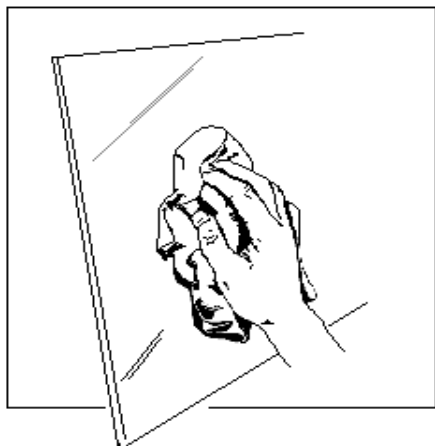
GE Lot Number: \_\_\_\_\_



# LEXGARD® Laminates with MARGARD® Surface

## CLEANING AND MAINTENANCE INSTRUCTIONS

Proper cleaning procedures and chemically compatible cleaners are important in maintaining sheet performance.



**For more information call:  
(800) 451-3147 or  
(413) 448-5400.**

Although all information, recommendations, or advice contained herein is given in good faith, no guarantee is made that the same results as those described will be obtained or, as to the effectiveness or safety of any design, and General Electric Company\*, USA, its subsidiaries, affiliates and authorized representatives shall in no event be held responsible for any loss incurred through such use of the products. Each user shall make its own determination of the suitability of the products or any such information, recommendations or advice for its own particular use. The products of General Electric Company, its subsidiaries or affiliates are sold in any event subject to the Conditions of Sale constituting part of the applicable representative or other sales agreement or printed on the back of order acknowledgments or invoices or are available upon request. Nothing in this or any other document or any oral recommendation or advice shall be deemed to alter, vary, supersede, or waive any of the Conditions of Sale. Statements concerning possible or suggested uses of the materials or designs described herein are not to be construed as constituting a license under any General Electric Company or subsidiary or affiliate company patent covering such use or as recommendations for use of such materials or designs in the infringement of any patent.

## CLEANING PROCEDURES

1. Wash with a mild solution of soap or detergent and lukewarm water.
2. Using a soft cloth or sponge, gently wash the sheet to loosen dirt and grime and rinse well with clean water.
3. To prevent water spotting, thoroughly dry with chamois or cellulose sponge.
4. Avoid the use of abrasive cleaners, squeegees, and/or other cleaning implements that may mar or gouge the coating.

## CLEANING AGENTS WHICH HAVE BEEN FOUND TO BE COMPATIBLE WITH LEXGARD LAMINATES WITH MARGARD SURFACE UNDER LABORATORY CONDITIONS

- **Aqueous Solutions of Soaps and Detergents**

Windex<sup>1</sup>  
Joy<sup>2</sup>  
Fantastik<sup>3</sup>  
Top Job<sup>2</sup>  
Mr. Clean<sup>2</sup>  
Formula 409<sup>4</sup>

<sup>1</sup>Registered Trademark of the Drackett Products Company

<sup>2</sup>Registered Trademarks of Procter & Gamble

<sup>3</sup>Registered Trademarks of Texize, Division of Norton Norwich Products, Inc.

<sup>4</sup>Registered Trademark of the Clorox Company

- **Organic Solvents**

Butyl Cellosolve  
Hexcel, F.O. 554  
Kerosene  
Neleco – Placer  
Naphtha (VM&P grade)  
Turco 5042  
Petroleum Spirits

- **Alcohols**

Methanol and Isopropyl Alcohol

All residual organic solvents should be removed with a secondary rinse.

### GRAFFITI REMOVAL

- (A) Butyl Cellosolve (For removal of paints, marking pen inks, lipstick, etc.). The use of masking tape, adhesive tape or lint removal tools works well for lifting off old weathered paints.
- (B) To remove labels, stickers, etc., the use of kerosene or VM&P naphtha is generally effective. When the solvent will not penetrate sticker material, apply heat (hair dryer) to soften the adhesive and promote removal.

**IMPORTANT:** If a material is found to be incompatible in a short-term test, it will usually be found to be incompatible in the field. The converse, however, is not always true. Favorable performance is no guarantee that actual end-use conditions have been duplicated. Therefore, these results should be used as a guide only and it is recommended that the products be tested under actual end-use conditions by the user.



**GE Structured Products**

General Electric Company  
One Plastics Avenue, Pittsfield, MA 01201-3697